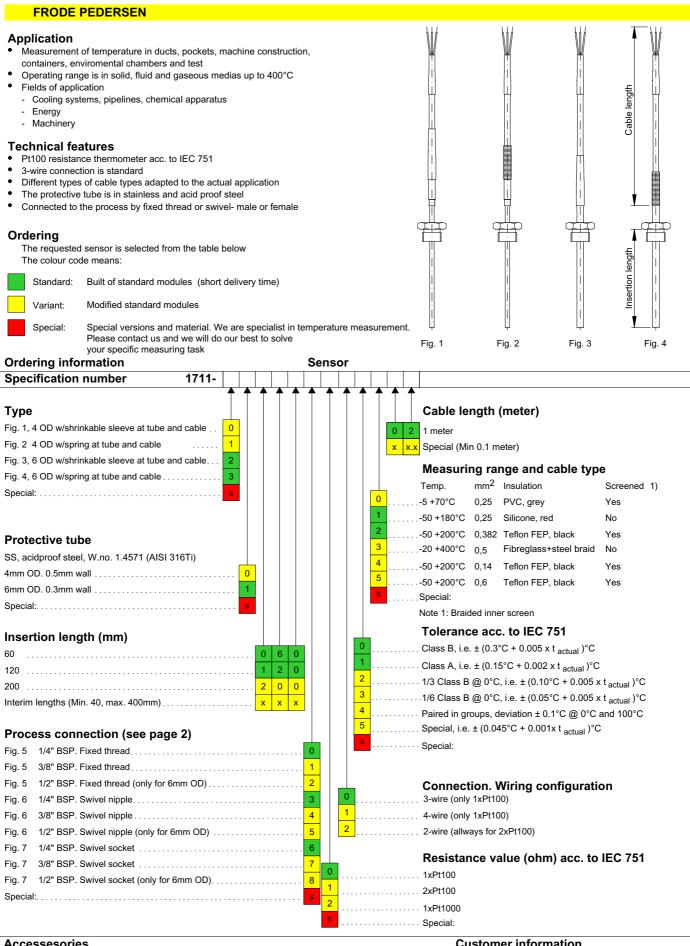


Resistance Thermometer KM5

cable sensor with fixed thread or swivel



Accessesories	Customer information
	Name:
	Tel.:

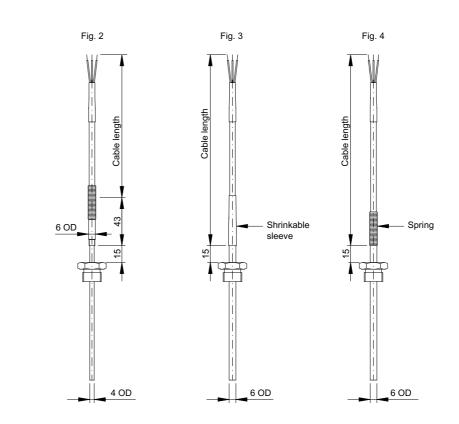
Fig. 1

Cable length

ŝ

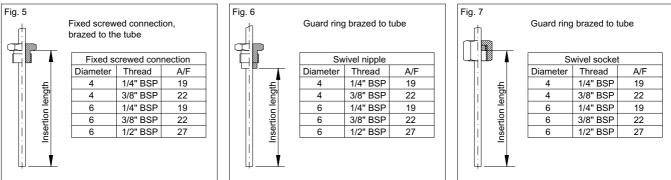
4 OD

Dimensions



Process connection

6 OD



Properties for cable

Insulation	Temperature range	Application
PVC	- 5 + 70°C	General use
Silicone	-50 +180°C	Flexible, heat resistance
Teflon (FEP)	-50 +200°C	Corrosion and heat resistance
GLGLO, Fiberglass+steel braid	-20 +400°C	High temperature, not water tight

Response time

Protective tube	Response time in seconds (guidelines)			
Diameter	In water @ 0.4m/sec. In air @ 3m/sec.			3m/sec.
	t _{0.5}	t _{0.9}	t _{0.5}	t _{0.9}
4	3	15	40	120
6	5	15	60	180

Note:

The 0.5/0.9 time is the time that it takes the sensor to reach 50%/90% of the final value of a temperature change of a medium.

If media and velocity are different from the ones stated, the time can change significantly.

Connection diagram - cable

PVC w/screen		Teflon w/scre	en	Silicone		GLGLO		
	Screen connected to outer sheath		Screen connected to	outer sheath				
	1xPt100	2xPt100	1xPt100	2xPt100	1xPt100	2xPt100	1xPt100	2xPt100
	2- 3- 4-wire	2-wire	2- 3- 4-wire	2-wire	2- 3- 4-wire	2-wire	2- 3- 4-wire	2-wire
	C Green	🖵 Green	□ □ □ Red	F Red	Blue	Blue	└──── White	_ White
	│	[⊔] ⊢ Yellow	│	^µ _Red/green	│ │ │ Yellow	└└─ Yellow	│	^U White
l f	White	⊣ White	│	H White/green	⊢ ⊢ ⊢ Red	Red	│	_ White
Ľ	Brown	^ய ் Brown	└└└└White	└─ White	💾 🖵 🖵 White	└─ White	U L L White	L White

AMETEK DENMARK A/S GYDEVANG 32-34, DK-3450 ALLERØD TEL.: +45 48168000 FAX: +45 48168080